



ATTACHMENT A

Claims 1 - 15: (Cancelled)

16. (Currently Amended) A copolymer of ethylene with α -olefins which comprises a molar mass distribution M_w/M_n of from 1 to 8, a density of from 0.85 to 0.94 g/cm³, a molar mass M_n of from 10,000 g/mol to 4,000,000 g/mol, a CDBI of less than 50%, a vinyl group content of from 0.1 to 1 vinyl groups/1000 carbon atoms, a Lcb rate of from 0.001 to 0.09 Lcb/1000 carbon atoms, the copolymer comprising at least a bimodal short chain branching distribution, and wherein a side chain branching of the maxima of the individual peaks of the short chain branching distribution, as determined by crystallization analysis fractionation (CRYSTAF), of the copolymer of ethylene and the α -olefins is greater than 5 CH₃/1000 carbon atoms.

17. (Previously Presented) The copolymer of ethylene with α -olefins as claimed in claim 16, wherein the molar mass M_n is from 150,000 g/mol to 1,000,000 g/mol.

18. (Previously Presented) The copolymer of ethylene with α -olefins as claimed in claim 16 which has at least one peak, as determined by CRYSTAF, of a differential distribution in the range from 15 to 40°C, and at least one further peak, as determined by CRYSTAF, of the differential distribution in the range from 25 to 80°C.

19. (Previously Presented) The copolymer of ethylene with α -olefins as claimed in claim 16, wherein the copolymer of

ethylene with α -olefins comprise a trimodal short chain branching distribution.

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Currently Amended) A polymer mixture comprising:

(E) from 1 to 99% by weight of at least one ethylene copolymer comprising a molar mass distribution M_w/M_n of from 1 to 8, a density of from 0.85 to 0.94 g/cm³, a molar mass M_n of from 10,000 g/mol to 4,000,000 g/mol, a CDBI of less than 50%, a vinyl group content of from 0.1 to 1 vinyl groups/1000 carbon atoms, a Lcb rate of from 0.001 to 0.09 Lcb/1000 carbon atoms, the copolymer comprising at least a bimodal short chain branching distribution, and wherein a side chain branching of the maxima of the individual peaks of the short chain branching distribution, as determined by crystallization

analysis fractionation (CRYSTAF), of the ethylene copolymer is greater than 5 CH₃/1000 carbon atoms;

and

(F) from 1 to 99% by weight of a polymer which is different from (E),

where the percentages by weight are based on the total mass of the polymer mixture.

28. (Currently Amended) A fiber, film or molding comprising an ethylene copolymer comprising a molar mass distribution M_w/M_n of from 1 to 8, a density of from 0.85 to 0.94 g/cm³, a molar mass M_n of from 10,000 g/mol to 4,000,000 g/mol, a CDBI of less than 50%, a vinyl group content of from 0.1 to 1 vinyl groups/1000 carbon atoms, a Lcb rate of from 0.001 to 0.09 Lcb/1000 carbon atoms, the copolymer comprising at least a bimodal short chain branching distribution, and wherein a side chain branching of the maxima of the individual peaks of the short chain branching distribution, as determined by crystallization analysis fractionation (CRYSTAF), of the ethylene copolymer is greater than 5 CH₃/1000 carbon atoms.

29. (Cancelled)